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RAW SEQUENCE LISTING DATE: 05/15/2001 PATENT APPLICATION: US/09/847,010 TIME: 15:18:15

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              RUZICKA, Frank J.
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      8 <130> FILE REFERENCE: 032026/0476
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/847,010
C--> 11 <141> CURRENT FILING DATE: 2001-05-01
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195	цуз	GIU	275	V CL	A3II	цуз	пси	280	ט עם	110	nr 9	var	285	110	-11-	+ 7 +	
	Tle	Tur		Cvs	Δαη	T.e.11	Ser		Glv	T.eu	Glu	His		Δrα	Thr	Pro	
198		290	- 1.11	C1 D	1101	Lou	295	u	1		J_ u	300		*** 9		0	
	Va 1		Lve	Glv	Tle	G111		Tle	Glu	Glv	Leu		Glv	His	Thr	Ser	
	305	JC1	_, 3	J-1		310				J-1	315	9	1			320	
		Tvr	Cvs	Val	Pro		Phe	Va l	Val	Asp		Pro	Glv	Glv	Gly	-	
204	1	-1-	J 7 D		325					330			1	<u>1</u>	335	1	
	Lvs	Thr	Pro	Va 1		Pro	Asn	Tvr	Val		Ser	Gln	Ser	His	Asp	Lvs	
	-1 -					•		- <u>-</u> -									

RAW SEQUENCE LISTING DATE: 05/15/2001 TIME: 15:18:15 PATENT APPLICATION: US/09/847,010

Input Set : A:\Frey.app
Output Set: N:\CRF3\05152001\I847010.raw

207				340					345					350			•
209	Val	Ile	Leu	Arg	Asn	Phe	Glu	Gly	Val	Ile	Thr	Thr	Tyr	Ser	·Glu	Pro	
210			355					360					365				
212	Ile	Asn	Tyr	Thr	Pro	Gly	Cys	Asn	Cys	Asp	Val	Cys	Thr	Gly	Lys	Lys	
213		370				_	375		- 2			380		_		-	
	Lvc		Wie	Lvc	V=1	Gly		λla	G1 v	Lau	T.Qu		G1v	Glu	G1 v	Mot	
	385	Vul	1113	шуз	vu.	390	· uı	ALG	OI,	ЦСи	395	ADII	OLI	Olu	011	400	
			<b>a</b> 1	D	77- 7		<b>.</b>	<b>61</b>	3	3		3	77.5	77- 1	G1		
	Ата	Leu	GIU	Pro		Gly	Leu	GIU	Arg		Lys	Arg	HIS	vaı		GIU	
219					405					410					415		
	<210		_														
223	<213	L> L	ENGT	H: 10	029												
224	<212	2> T	YPE:	DNA													
225	<213	3> 01	RGAN	ISM:	Esc	heri	chia	col	i								
227	<220	)> FI	EATUI	RE:													
	<223				CDS												
						(10	1261										
	<400					(	220)										
								+			+		~	~~+	+~~	444	48
	_				-	acc						_	-	-			40
		Ala	HIS	ite		Thr	Leu	Asn	Thr		Ser	Arg	GIU	Asp	-	Leu	
234	1				5					10					15		
236	acg	caa	ctt	gcc	gat	gtt	gtg	acc	gat	cct	gat	gaa	ctt	ctg	cgt	ctt	96
237	Thr	Gln	Leu	Ala	Asp	Val	Val	Thr	Asp	Pro	Asp	Glu	Leu	Leu	Arg	Leu	
238				20					25					30			
240	ttg	aat	ata	gac	qcq	gag	gaa	aaa	ctg	tta	gcc	gga	cgc	agc	gcc	aaa	144
						Glu											
242			35					40				4	45				
	аап	ctt		acc	cta	cgt	ata		cac	tca	+++	atc		cac	atα	αaα	192
	-			-	-	Arg			_				_	_	_		172
246	пуз	50	FIIC	AIG	пец	Arg	55	FIO	лгу	SCI	riie	60	АЗР	AT 9	Mec	Giu	
															<b>.</b>		240
						gat											240
		GIY	Asn	Pro	Asp	Asp	Pro	Leu	Leu	Arg		val	Leu	Thr	Ser		
250	65					70					75					80	
	-			-		gcg						-		_	-	_	288
253	Asp	Glu	Phe	Val	Ile	Ala	Pro	Gly	Phe	Ser	Thr	Asp	Pro	Leu	Glu	Glu	
254					85					90					95		
256	cag	cac	agc	gta	gtg	cct	ggt	ttg	ttg	cat	aaa	tac	cac	aac	cgg	gcg	336
257	Gln	His	Ser	Val	Val	Pro	Gly	Leu	Leu	His	Lys	Tyr	His	Asn	Arg	Ala	
258				100			-		105		-	•		110			
	ctt	tta	cta		aaa	ggc	aac	tac		αta	aat	tac	cac	tat	tac	ttc	384
						Gly											
262	пси	шец	115	vu.	цуз	GLY	GLY	120	nια	va1	non	Cys	125	- y -	Cys	1110	
								_	+					+		+	432
						tat	-	-									432
	Arg	_	Hls	Pne	Pro	Tyr		GLU	Asn	GIn	GIY		ьys	Arg	Asn	Trp	
266		130					135					140					
			-			tat	-	-			_	_		_		_	480
		Thr	Ala	Leu	Glu	Tyr	Val	Ala	Ala	His	Pro	Glu	Leu	Asp	Glu	Met	
270	145					150					155					160	
272	att	ttc	tcc	ggc	ggc	gat	ccg	ctg	atg	gcg	aaa	gat	cac	gag	ctg	gac	528
						Asp	_	_	_			_			_	-	
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RAW SEQUENCE LISTING DATE: 05/15/2001 PATENT APPLICATION: US/09/847,010 TIME: 15:18:15

Input Set : A:\Frey.app

Output Set: N:\CRF3\05152001\1847010.raw

274					165					170					175		
274					165				_ 4 _	170					175		F7.0
						ctg											5.76
	Trp	Leu	Leu		GIN	Leu	GIU	Ата		Pro	HIS	тте	ьys	-	Leu	Arg	
278				180					185					190			50.4
			-	-	_	ccg				_	-	_					624
	Ile	His		Arg	Leu	Pro	Ile		Ile	Pro	Ala	Arg		Thr	Glu	Ala	
282			195					200					205				
	_	-	-	-		gcc	-		-	-			-	_			672
285	Leu	Val	Glu	Cys	Phe	Ala	Arg	Ser	Thr	Leu	Gln	Ile	Leu	Leu	Val	Asn	
286		210					215					220					
288	cac	atc	aac	cat	gcc	aat	gag	gta	gat	gaa	aca	ttc	cgt	cag	gcg	atg	720
289	His	Ile	Asn	His	Ala	Asn	Glu	Val	Asp	Glu	Thr	Phe	Arg	Gln	Ala	Met	
290	225					230					235					240	
292	gct	aag	ttg	cgc	cgg	gta	ggc	gtt	act	ttg	ctg	aac	cag	agc	gtt	ctg	768
293	Ala	Lys	Leu	Arg	Arg	Val	Gly	Val	Thr	Leu	Leu	Asn	Gln	Ser	Val	Leu	
294					245					250					255		
296	tta	cgt	gat	gtg	aac	gat	aac	gca	çaa	acg	ctg	gca	aac	ctg	agt	aat	816
						Āsp											
298		-	•	260		-			265					270			
300	qcq	tta	ttc	gat	qcc	ggc	qta	atq	cca	tat	tac	ctq	cat	ata	ctc	gat	864
						Gly											
302			275			2		280		- 1	- 4 -		285				
304	aaa	αta	caσ	aac	aca	gcg	cat		atα	ata	agt	gat	gac	σаа	gca	caa	912
						Ala											,
306		290	01	011			295				501	300		014		*** 9	
	cad		atα	cat	nan	ttg		aca	cta	ata	tca		tat	cta	ata	cca	960
						Leu											700
	305	116	Het	Arg	GLu	310	пеп	1111	Бец	Vai	315	Gry	1 7 1	пеа	VUL	320	
		cta	aca	cas	ma a	att	aac	aac	αaa	ccc		222	aca	cca	cta		1008
		_		-	-	Ile			-		_		_	_	-	-	1000
314	цуз	пец	ліа	Arg	325	116	Gry	GLY	GIU	330	261	цуз	1111	FIU	335	тэр	
	ata	a 2 a	at a	000		020	+			330					333		1029
		_		-	_	cag	Laa										1029
318	neu	GIII	Leu	340	GIII	GIII											
	-21(	)	EO II		. 1												
			_														
			ENGTE		ŧ 4												
			PE:		n1		. 1. 2 .	1:	!					,			
						nerio	nıa	COL	L								
			EQUE			m1.	<b>.</b> .		m1 .	<b>D</b>	<b>a</b>		<b>0</b> 1		m	<b>.</b>	
		Ala	HIS	ше		Thr	Leu	Asn	Thr		Ser	Arg	GIU	Asp		Leu	
328	1		_		5					10	_				15	_	
	Thr	GIn	Leu		Asp	Val	Val	Thr		Pro	Asp	GLu	Leu		Arg	Leu	
331	_	_		20					25	_			_	30		_	
	Leu	Asn		Asp	Ala	Glu	GLu	_	Leu	Leu	Ala	GLy	_	Ser	Ala	ràs	
334	_	_	35		_			40					45				
	Lys		Phe	Ala	Leu	Arg		Pro	Arg	Ser	Phe		Asp	Arg	Met	Glu	
337	_	50			_		55					60			_		
		Gly	Asn	Pro	Asp	Asp	Pro	Leu	Leu	Arg		Val	Leu	Thr	Ser		
340	65					70					75					80	

(M)

## Please Note:

Use f n and/ r Xaa have been detected in the Sequence Listing. Please review the Sequence Listing t ensure that a c rresp nding explanation is pres nted in th <220> to <223> fields of each sequence which presents at least ne n r Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/847,010

DATE: 05/15/2001 TIME: 15:18:16

Input Set : A:\Frey.app

Output Set: N:\CRF3\05152001\1847010.raw

 $L\!:\!10\ \text{M}\!:\!270\ \text{C}\!:\!\text{Current Application Number differs, Replaced Current Application Number}$ 

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:1579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 L:1608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20